

ABSTRACT

Disclosed is an ER fluid comprising a water-soluble starch as a conductive particle and an additive to improve flow properties and to prevent precipitation of the ER fluid. The ER fluid can be widely applied to a variable attenuator which is able to control a suspension, a vibration damper and an engine mount, to a power unit such as a break and a clutch, and to various industrial fields such as an automobile and aviation industries.